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Fig.1

| |
|--------|
| Fig.1a |
| Fig.1b |

Fig.1a

| | 10 | 20 | 30 | 40 | 50 |
|--------------------|------------|------------|------------|------------|------------|
| SEQ ID NO 13 MP 52 | CSRKALHVN | KDMGWDDWI | APLEYEAFHC | EGLCEFP | HLPTNHAVI |
| SEQ ID NO 14 BMP 2 | CKRHPLYVDF | SDVGWNDWIV | APPGYHAFYC | HGECPPFLAD | HLNSTNHAIV |
| SEQ ID NO 15 BMP 4 | CRRHSLYVDF | SDVGWNDWIV | APPGYQAFYC | HGDCPPFLAD | HLNSTNHAIV |
| SEQ ID NO 16 BMP 5 | CKKHELYVSF | RDLGWQDWII | APEGYAAFYC | DGECSPFLNA | HMNATNHAIV |
| SEQ ID NO 17 BMP 6 | CRKHELYVSF | QDLGWQDWII | APKGYAANYC | DGECSPFLNA | HMNATNHAIV |
| SEQ ID NO 18 BMP 7 | CKKHELYVSF | RDLGWQDWII | APEGYAAAYC | EGECAFP | YMNATNHAIV |
| | * + * * * | * * * * * | * * * * * | * * * * * | * * * * * |

Fig.1b

| | 60 | 70 | 80 | 90 | 100 |
|-------------------------------|------------|-------------|-------------|-----------------|-----|
| SEQ ID NO 13 MP 52 QTLNMSMDPE | STPPTCCVPT | RLSPISILFI | DSANNVVYKQ | YEDMVVESCQ | CR |
| SEQ ID NO 14 BMP 2 QTLVNSVNS- | KIPKACCVPT | ELSAISMLYL | DENEKVVLKN | YQDMVVEGCG | CR |
| SEQ ID NO 15 BMP 4 QTLVNSVNS- | SIPKACCVPT | ELSAISMLYL | DEYDKVVLKN | YQEMVVEGCG | CR |
| SEQ ID NO 16 BMP 5 QTLVHLMFPD | HVPKPCCAPT | KLNAISVLYF | DDSSNVI LKK | YRNMVVRSCG | CH |
| SEQ ID NO 17 BMP 6 QTLVHLMNPE | YVPKPCCAPT | KLNAISVLYF | DDNSNVI LKK | YRNMVVRACG | CH |
| SEQ ID NO 18 BMP 7 QTLVHFINPE | TVPKPCCAPT | QLNAISVLYF | DDSSNVI LKK | YRNMVVRACG | CH |
| | *** +++ ++ | + + + + + + | ++ ++ * | * + + + + + + + | ** |

Fig.2a

| | Eco RI | Nco I |
|--------------------------------|--------------------------------------|------------------------|
| SEQ ID NO 19 OD | ATGAATTCCCATGGACCTGGGCTGGMAKGAMTGGAT | |
| SEQ ID NO 20 BMP 2 | | ACGTGGGGTGGAATGACTGGAT |
| SEQ ID NO 21 BMP 3 | | ATATTGGCTGGAGTGAATGGAT |
| SEQ ID NO 22 BMP 4 | | ATGTGGGCTGGAATGACTGGAT |
| SEQ ID NO 23 BMP 7 | | ACCTGGGCTGGCAGGACTGGAT |
| SEQ ID NO 24 TGF- β 1 | | AGGACCTCGGCTGGAAGTGGAT |
| SEQ ID NO 25 TGF- β 2 | | GGGATCTAGGGTGGAAATGGAT |
| SEQ ID NO 26 TGF- β 3 | | AGGATCTGGGCTGGAAGTGGGT |
| SEQ ID NO 27 INHIBIN α | | AGCTGGGCTGGGAACGGTGGAT |
| SEQ ID NO 28 INHIBIN β A | | ACATCGGCTGGAATGACTGGAT |
| SEQ ID NO 29 INHIBIN β B | | TCATCGGCTGGAACGACTGGAT |

Fig.2b

| | Eco RI |
|--------------------------------|--------------------------------|
| SEQ ID NO 30 OI D | ATGAATTCGAGCTGCGTSGGSRACACAGCA |
| SEQ ID NO 31 BMP 2 | GAGTTCTGTCTGGGACACAGCA |
| SEQ ID NO 32 BMP 3 | CATCTTTTCTGGTACACAGCA |
| SEQ ID NO 33 BMP 4 | CAGTTCAGTGGGCACACAACA |
| SEQ ID NO 34 BMP 7 | GAGCTGCGTGGGCGCACAGCA |
| SEQ ID NO 35 TGF- β 1 | CAGCGCCTGCGGCACGCAGCA |
| SEQ ID NO 36 TGF- β 2 | TAAATCTTGGGACACGCAGCA |
| SEQ ID NO 37 TGF- β 3 | CAGGTCTTGGGGCACGCAGCA |
| SEQ ID NO 38 INHIBIN α | CCCTGGGAGAGCAGCACAGCA |
| SEQ ID NO 39 INHIBIN β A | CAGCTTGGTGGGCACACAGCA |
| SEQ ID NO 40 INHIBIN β B | CAGCTTGGTGGGAATGCAGCA |

Fig.3

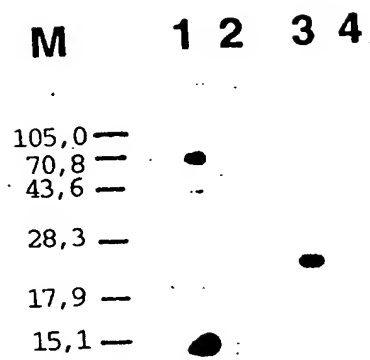
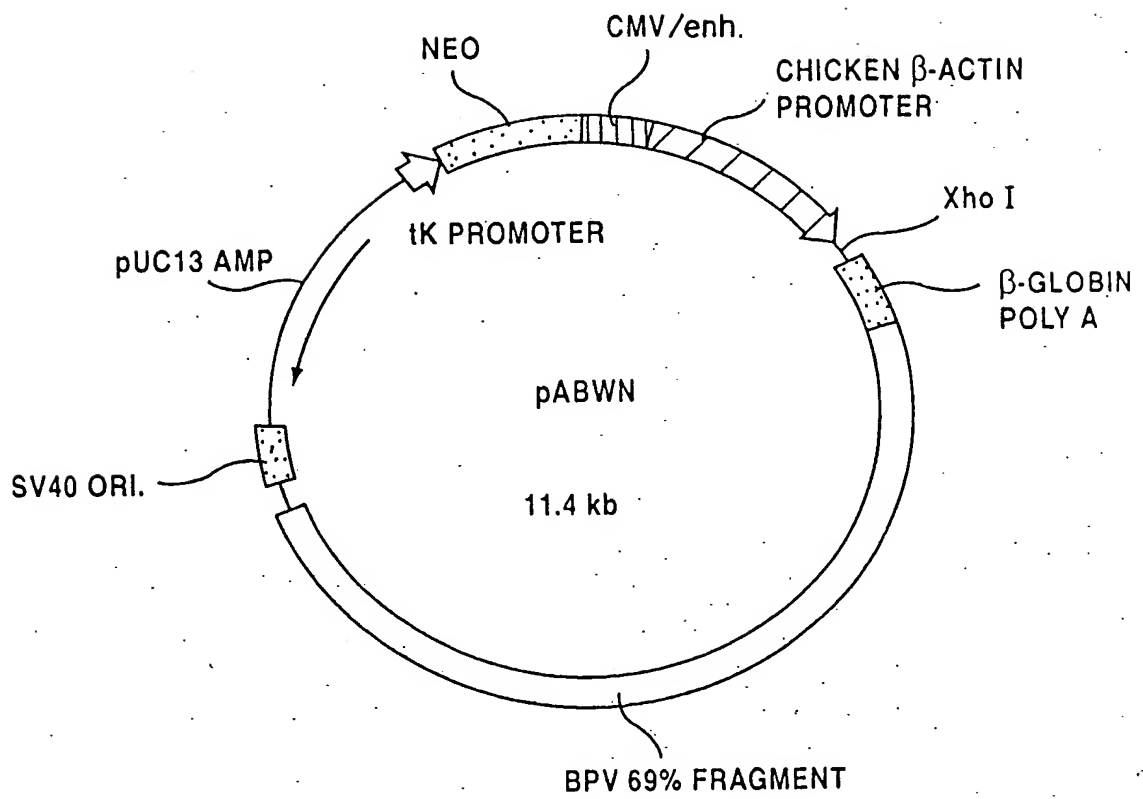
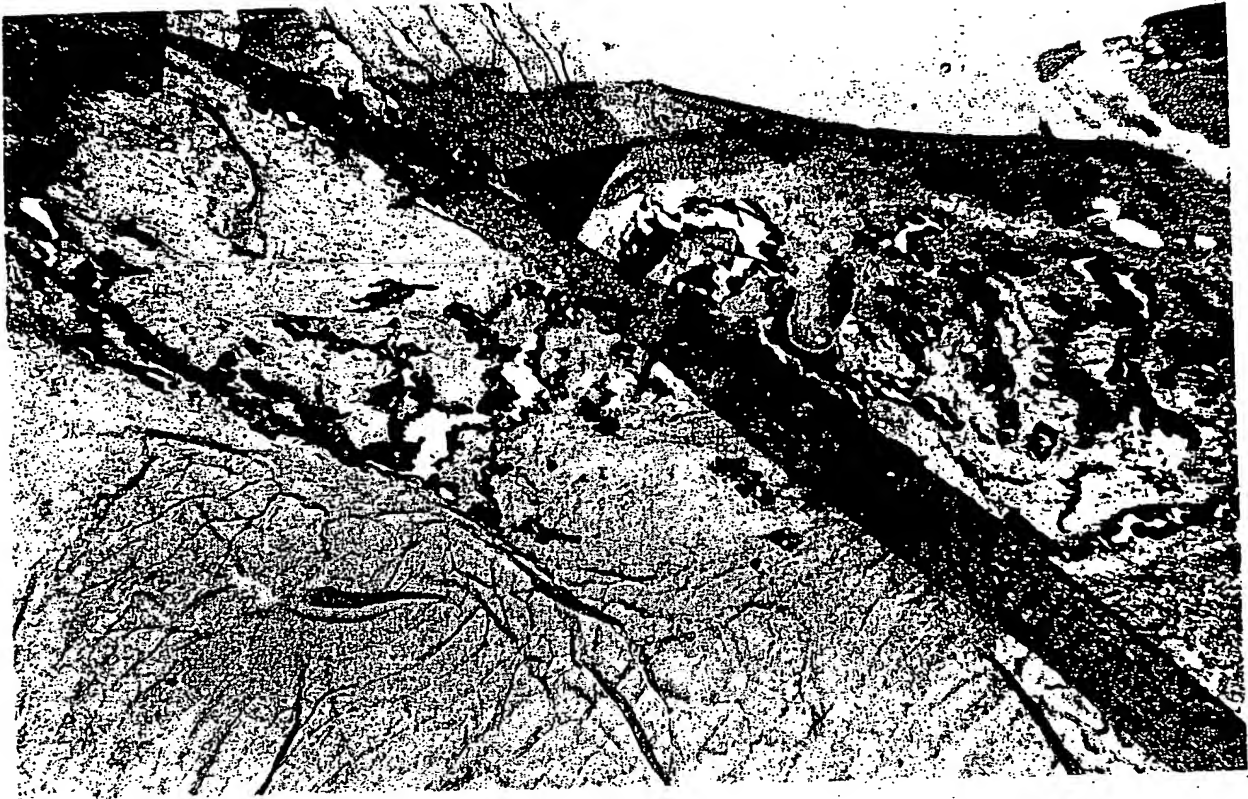


Fig.4



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Fig.5



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Fig.6

